

Product Highlights

- Dual Flash ROM on each controller.
- 4Gb FC host interface
- RAID Levels : JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID
- Support up to 12 SATA II drives
- 2U rackmount, high density design
- No operating downtime and easy maintenance with :
 - Redundant, hot-swappable components
 - Modular architecture design
- User-friendly, web browser-based RAID management interface
- Event notification through e-mail or SNMP trap
- RoHS complied system



Arena 4551 SATA II RAID Solution

The RAID makes business continuity realized.

The RAID System setup an important milestone for MaxTronic approaching to critical high-end enterprise demands. Latest 4Gb FC host interface with advanced high performance CPU supports higher data operation rate. Powerful hardware engine, high scalable expansion options and user-friendly management interface make it the best choice for fault tolerance, performance driven solutions.

FEATURES AND BENEFITS

Extreme Performance

- Advanced 4Gb FC host-transferring-speed with latest RISC CPU which delivers high performance for heavy duty business applications.

Better Firmware Protection

- Dual Flash ROM on-board, embedded flash auto-backup function, supports higher system availability during firmware upgrading or single ROM failure.

Complete Data Protection

- Various RAID Levels : JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, or NRAID supported and complete RAID functions fulfill multiple data-redundancy requirements during system operation time.

Flexible Compatibility

- Advanced 4Gb FC host interface supports the former 2Gb FC and 1Gb FC interface with no hardware modification request. The SATA II disk interface supports the most cost effective drive to lower TOC.

Smart I/O Path Management

- Just simple double-click installation, host-based PathGuard Software enables end-to-end I/O path failover & failback and dynamic I/O load balancing function to improve operation efficiency.



Technical Specifications

| Host Channel | |
|--|--|
| Model No. | SA-4551S |
| Host Interface | 4Gb FC |
| Data Transfer Rate | Up to 4Gb per port |
| Host Channel No. | 2 |
| External Connector Type | SFP x 2 (*1) |
| *1. SFP transceiver is not included. | |
| Hardware | |
| Controller | Single |
| Controller CPU | AMCC PPC 440SP |
| Cache Memory | 512-4096 DDR II (*2) |
| Disk Interface | SATA II |
| Disk Channel No. | 12 |
| Hot Swap Disk Tray | 12x 3.5" swappable trays |
| Hot Swap Power Supply | 350W x 2 redundant |
| AC Input Voltage | 100 to 240V(+/-10%), 47 to 63 Hz |
| Battery Backup | Yes (optional) |
| Hot Swap Fan Module | 2 x Turbo Fan |
| *2. DDR RAM can be supported in x8 and x16 organizations. (x4 is not supported) | |
| RAID Functions | |
| RAID Levels | JBOD, 0, 1, 3, 5, 6, 10, 30, 50, 60, NRAID |
| RAID Features | Support multiple RAID levels and stripe sizes Support local hot spare and global hot spare Support A/V streaming (*3) performance profile with fast read response Support over-2TB volume Online background initialization Online RAID level and stripe size migration Online disk group defragmentation for free space consolidation Online capacity expansion and shrink Online drive traveling and array roaming Online array recovery |
| Advanced Data Reliability Assurance | SMARTCor. Function (DST, DS, DC) (*4) |
| * 3. AV Streaming feature is special for video editing application demands. * 4. SMARTCor. Functions include Disk Self Test (DST), Disk Scrubbing (DS) and Disk Cloning (DC). | |
| RAID Management | |
| Front Panel LCD and Buttons | Easy access for configuration and status report |
| RS-232 Terminal | Command Line Interface (CLI) for configuration and status report |
| GUI | Embedded Ethernet connection, web browser-based RAID management GUI for configuration and status monitoring |
| Event Notification | Built-in buzzer, e-mail, SNMP trap (*5), downloadable event records (up to 1024) |
| * 5. Notification through e-mail or SNMP is supported by web browser-based GUI. | |
| Management AP | |
| PathGuard Software | <ul style="list-style-type: none"> - Multiple paths to each device - End-to-end I/O path failover and fallback - Dynamic I/O load balancing |
| RAIDGuard Central | <ul style="list-style-type: none"> - Storage of complete event log records - Convenient event log export feature - Instant event log notification via MSN - Multiple platforms support |
| Windows VDS 1.1 | http://msdn2.microsoft.com/en-us/library/aa381442.aspx |
| Environment Specification | |
| Humidity | 20% to 80% non-condensing |
| Operating Temperature | 5°C to 40°C 41°F to 104°F |
| Non-operating Temperature | -25°C to 60°C -13°F to 140°F |
| Safety Regulatory | UL, CUL, CB |
| EMC Standard | FCC, CE, C-Tick, BSMI |
| Dimension and Weight | |
| Physical Dimension | 485(W) x 565(D) x 88(H) mm |
| Physical Weight (without drives) | 19 Kgs |
| Packed Dimension | 610(W) x 790(D) x 430(H) mm |
| Packed Weight (without drives) | 28 Kgs |

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Headquarters

MaxTronic International Co., Ltd.
<http://www.maxtronic.com.tw>

U.S.A Office
<http://www.maxtronic.com>

China Office(Beijing)
<http://www.maxtronic.com.cn>